

Title (en)  
VALVE ARRANGEMENT AND METHOD FOR OPERATING A VALVE

Title (de)  
VENTILANORDNUNG UND VERFAHREN ZUM BETRIEB DES VENTILS

Title (fr)  
D&#201

Publication  
**EP 4141608 A1 20230301 (EN)**

Application  
**EP 22192791 A 20220830**

Priority

- DK PA202100847 A 20210831
- EP 2022070810 W 20220830

Abstract (en)

Valve arrangement (1) comprising a flow control section (3) having a basic characteristic curve (16B) representing a relation between a flow and an opening degree of the flow control section (3), a pressure control section (4) keeping constant a pressure over the flow control section (3), control means (7) having a flow set-value input (8) and controlling an opening degree of the flow control section (3) depending on a flow set-value received via the flow set-value input (8), and a flow meter (9) measuring an actual value of flow through the flow control section (3), wherein the basic characteristic curve (16B) is modified by the control means (7) to become a modified characteristic curve (16M) when a difference between the flow set-value and the actual value of the flow exceeds a predetermined threshold value.

IPC 8 full level  
**G05D 7/06** (2006.01); **F16K 31/00** (2006.01)

CPC (source: EP)  
**F16K 31/00** (2013.01); **G05D 7/0635** (2013.01)

Citation (applicant)

- EP 1652014 A1 20060503 - DANFOSS AS [DK]
- EP 3486691 A1 20190522 - SONY CORP [JP]

Citation (search report)

- [XI] US 2015057816 A1 20150226 - SCHICK RUDOLF J [US], et al
- [A] US 2019018432 A1 20190117 - PETRY KARL-HEINZ [CH]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

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